CLAIM LISTING

This listing of claims will replace all prior versions and listings of the claims in the application:

1.   (currently amended) A method for determining a type of an option spread based upon options received from an input device, the method comprising[[,]] the steps of[[:]]

(a) determining a first previous option count;

(b) receiving a first option ~~free of buy/sell indicators,~~ from an input device, the first option comprising an optioncode, a contract, a strike, and a callput;

(c) assigning a quantity for the first option;

(d) determining a second previous option count;

(e) receiving a second option ~~free of buy/sell indicators,~~ from an input device, the second option comprising an optioncode, a contract, a strike, and a callput;

(f) comparing the second option to the first option;

(g) assigning a quantity for at least one of the first option and the second option based upon the comparison of the second option to the first option; and[[,]]

(h) determining a type of option spread based upon at least one of the first and second option counts, the comparison of the second option to the first option, and the assigned quantities of the first and second options~~, wherein the determined type of option spread defines at least a combination of buy/sell indicators~~.

2.   (currently amended) The [[A]] method ~~as in~~ according to claim 1, further comprising[[,]] the step of[[:]]

(i) calculating a current valuation for the option spread.

3.   (currently amended) The [[A]] method as-in according to claim 2, further comprising[[,]] the step of[[:]]

      (j) naming the option spread.

4.   (currently amended) The [[A]] method as-in according to claim 3, further comprising[[,]] the step of[[:]]

      (k) calculating at least one of a delta, gamma, Vegavega, theta, and an implied volatility of at least one of the first option, the second option, and the option spread;

      wherein the delta indicates price sensitivity to changes in price of an underlying asset for the option;

      wherein the gamma indicates delta sensitivity to changes in price of the underlying asset for the option;

      wherein the vega indicates price sensitivity to changes in expected volatility;

      wherein the theta indicates price sensitivity to changes in time until expiration of the option; and[[,]]

      wherein the implied volatility indicates a particular volatility derived from market price.

5.   (currently amended) The [[A]] method as-in according to claim 4, wherein the delta, gamma, vega, theta, and implied volatility[[is]]are calculated as at least one of an aggregate value and a subtotal by underlying asset.

6.   (currently amended) The [[A]] method ~~as in~~ according to claim 4, further comprising[[,]] the step of[[:]]

(l) sending at least one of the quantity, current valuation, name, delta, gamma, vega, theta, and implied volatility to a display device.

7.   (currently amended) The [[A]] method ~~as in~~ according to claim 1, further comprising[[,]] the step of[[:]]

(i) sending the optioncode, contract, strike, and callput of the first option to a display device.

8.   (currently amended) The [[A]] method ~~as in~~ according to claim 7 further comprising[[,]] the step of[[:]]

~~(k)~~ (j) displaying at least one of the quantity, name, current valuation, delta, gamma, vega, theta, and implied volatility on the display device.

9.   (currently amended) The [[A]] method ~~as in~~ according to claim 7 further comprising[[,]] the step of[[:]]

(j) displaying the optioncode, contract, strike, and callput of the first option on the display device.

10.   (currently amended) The [[A]] method ~~as in~~ according to claim 1 wherein the input device is at least one of a mouse, a keyboard, a light emitting diode device, a touch screen, and a tracking ball.

11.   (currently amended). The [[A]] method ~~as in~~ according to claim 1 wherein the option

spread is at least one selected from the group consisting of

a straddle, a ratio vertical put spread, a vertical put spread, a calendar put spread,

a calendar vertical put spread, a ratio calendar put spread, a ratio vertical calendar put

spread, a calendar fence/collar, a calendar ratio fence/collar, a calendar strangle, a

fence/collar, a ratio fence/collar, a strangle, a conversion, a synthetic long futures, a

synthetic short futures, a ratio vertical call spread, a vertical call spread, a calendar call

spread, a calendar vertical call spread, a ratio calendar call spread, and a ratio vertical

calendar put spread.

12.   (currently amended) A method for determining a type of option spread based upon a

sequence of options received from an input device comprising[[,]] the steps of[[:]]

(a) determining a previous option count;

~~(a)~~ (b) receiving a sequence of options ~~free of buy/sell indicators,~~ from an input

device, each option comprising an optioncode, a contract, a strike, and a callput;

~~(b)~~ (c) comparing the optioncode, contract, strike, and callput of each option with

the optioncode, contract, strike, and callput of each other option in the sequence;

~~(c)~~ (d) assigning a predetermined quantity to the option first received in the

sequence of options;

~~(d)~~ (e) assigning a quantity for each option other than the option first received

based upon the comparison of each option with respect to each other option and the

quantity of each option with respect to each other option; and

(e) (f) determining a type of option spread based upon the comparison of each option with each other option and the assigned quantity of each option, wherein the determined type of option spread defines at least a combination of buy/sell indicators.

13.   (currently amended) The [[A]] method as in according to claim 12 further comprising[[,]] the step of[[:]]

(f) (g) calculating a current valuation of the option spread.

14.   (currently amended) The [[A]] method as in according to 13 further comprising[[,]] the step of[[:]]

(g) (h) naming the option spread.

15.   (currently amended) The [[A]] method as in according to claim 14 further comprising[[,]] the step of[[:]]

(h)(i) calculating at least one of a delta, gamma, vega, theta, and an implied volatility of at least one of said option in the sequence of options and in the option spread;

wherein the delta indicates price sensitivity to changes in price of the underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of an underlying asset for the option;

wherein the vega indicates price sensitivity to changes in expected volatility;

wherein the theta indicates price sensitivity to changes in time until expiration of

the option; and,

wherein the implied volatility indicates a particular volatility derived from market

price.

16. (currently amended) The [[A]] method as in according to claim 15 further comprising[[,]]

the step of[[:]]

(i) (j) sending at least one of the quantity, current valuation, name, delta, gamma,

vega, theta, and implied volatility to a display device.

17. (currently amended) A method as in claim 16, further comprising[[,]] the step of[[:]]

(i) (k) displaying at least one of the quantity, current valuation, name, delta,

gamma, vega, theta, and implied volatility on the display device.

18. (currently amended) The [[A]] method as in according to claim 12, wherein the input

device is at least one selected from the group consisting of a mouse, keyboard, a light

emitting diode device, a touch screen, and a tracking ball.

19. (currently amended) The [[A]] method as in according to claim 12 wherein the option

spread is at least one selected from the group consisting of

a straddle, a ratio vertical put spread, a vertical put spread, a calendar put spread,

a calendar vertical put spread, a ratio calendar put spread, a ratio vertical calendar put

spread, a calendar fence/collar, a calendar ratio fence/collar, a calendar strangle, a

fence/collar, a ratio fence/collar, a strangle, a conversion, a synthetic long futures, a synthetic short futures, a ratio vertical call spread, a vertical call spread, a calendar call spread, a calendar vertical call spread, a ratio calendar call spread, a ratio vertical calendar put spread, a 3-way call spread versus a put, a 3-way put spread versus a call, a call tree, a put tree, a butterfly, an iron butterfly, and a straddle spread.

20.   (currently amended) A method for determining a type of option spread based upon a sequence of user selections received from an input device, the method comprising[[,]] the steps of[[:]]

displaying a set of grids on a display device, each grid representing an optioncode and comprising a set of selectable options;

receiving a sequence of user selections, free of buy/sell indicators, chosen from the set of selectable options, each user selection comprising an optioncode, a contract, a strike, and a callput;

comparing the optioncode, contract, strike, and callput of each user selection with each other user selection in the sequence;

assigning a predetermined quantity for the user selection first received in the sequence;

assigning a quantity for each user selection in the sequence of user selectionsother than the user selection first received based upon the comparison of each user selection with each other user selection and the assigned quantity of each user selection; and

determining a type of option spread based upon a previous option count, the comparison of each user selection with each other user selection, and the assigned

quantity of each user selection~~the comparison of each user selection with each other user selection and the assigned quantity of each user selection,~~

~~wherein the determined type of option spread defines at least a combination of buy/sell indicators.~~

21.   (currently amended) The [[A]] method ~~as in~~ according to claim 20, wherein each grid comprises an x-axis and a y-axis, and wherein the x-axis comprises a set of contract and callput selections, and ~~while~~ the y-axis comprises a set of strike selections, or vice versa.

22.   (currently amended) The [[A]] method ~~as in~~ according to claim 20, wherein the comparing step occurs prior to at least one of a predefined time out and a receipt of a clear instruction.

23.   (currently amended) A method for determining a type of option spread based upon a sequence of user selections, ~~free of buy and sell indicators,~~ received from an input device, the method comprising the steps of[[:]]

presenting displaying a set of grids on a display device, each grid representing a single optioncode and comprising a set of selectable boxes;

~~accepting~~ receiving a selection of a sequence of boxes, each selection in the sequence comprising optioncode, a contract, a strike, and a callput; and

determining ~~providing,~~ for the selected sequence, a ~~determined~~ type of option spread, an option spread name, an option spread ~~price~~valuation, and ~~at least a combination of buy/sell indicators for the~~ a quantity for the option spread.

24.   (currently amended) The [[A]] method as in according to claim 23, further comprising[[,]] the step of assigning a quantity, inclusive of at least one of a positive and negative sign, for each user selection in the sequence.

25.   (currently amended) The [[A]] method as in according to claim 24, further comprising[[,]] the step of[[:]]

      calculating at least one of a calculated delta, gamma, vega, theta, and implied volatility of at least one of said selection in the sequence and the option spread;

      wherein the delta indicates price sensitivity to changes in price of an underlying asset for the option;

      wherein the gamma indicates delta sensitivity to changes in price of an underlying asset for the option;

      wherein the vega indicates price sensitivity to changes in expected volatility;

      wherein the theta indicates price sensitivity to changes in time until expiration of the option; and,

      wherein the implied volatility indicates a particular volatility derived from market price.

26.   (currently amended) The [[A]] method as in according to claim 23, wherein each grid comprises an x-axis and a y-axis, and wherein the x-axis comprises a set of contract and the callput selections, and while the y-axis comprises a set of strike selections, or vice versa.

27.   (currently amended) The [[A]] method as in according to claim 23, further comprising[[,]] the step of[[:]]

saving the provided option spread to a watch list for an update on the current valuation of the option spread.

28.   (currently amended) The [[A]] method as in according to claim 23, further comprising[[,]] the steps of[[:]]

instructing a sign change of the provided option spread that reverses the sign of the provided quantity for at least one user selection in the sequence; and,

receiving, based upon the sign change instruction, a determined type of option spread, a corresponding option spread name and option spread valuation

29.   (currently amended) The [[A]] method as in according to claim 25, further comprising[[,]] the step of[[:]]

instructing a sign change of the provided option spread that reverses the sign of the provided quantity for at least one user selection in the sequence; and,

receiving a recalculated at least one of a delta, gamma, vega, theta, and implied volatility.

30.   (currently amended) The [[A]] method as in according to claim 25, further comprising[[,]] the steps of[[:]]

instructing a sign change of a second selection in the sequence that reverses the sign of the provided quantity for each user selection in the sequence;

recalculating at least one of a delta, gamma, vega, theta, and implied implied volatility, and,

receiving a recalculated the at least one of a delta, gamma, vega, theta, and implied volatility from the recalculating step.

31. (currently amended) The [[A]] method as in according to claim 23, further comprising[[,]] the step of[[:]]

adding a hedge with a user specified valuation; and receiving a recalculated option spread price in accordance with the added hedge.

32. (currently amended) The [[A]] method as in according to claim 23, further comprising[[,]] the step of[[:]] adding a hedge with a market specified valuation; and receiving a recalculated option spread price in accordance with the added hedge.

33. (cancelled)

34. (cancelled)

35. (cancelled)

36.   (new) A computer readable medium comprising a program for determining a type of an option spread based upon options received from an input device, the program comprising

(a) program code for determining a first previous option count;

(b) program code for receiving from an input device a first option, the first option comprising an optioncode, a contract, a strike, and a callput;

(c) program code for assigning a quantity for the first option;

(d) program code for determining a second previous option count;

(e) program code for receiving from an input device a second option free of buy/sell indicators, the second option comprising an optioncode, a contract, a strike, and a callput;

(f) program code for comparing the second option to the first option;

(g) program code for assigning a quantity for at least one of the first option and the second option based upon the comparison of the second option to the first option; and

(h) program code for determining a type of option spread based upon at least one of the first and second option counts, the comparison of the second option to the first option, and the assigned quantities of the first and second options.

37.   (new) The computer readable medium according to claim 36, wherein the program further comprises

(i) program code for calculating a current valuation for the option spread.

38.   (new) The computer readable medium according to claim 37, wherein the program further comprises

(j) program code for naming the option spread.

39.   (new) The computer readable medium according to claim 38, wherein the program further comprises

(k) program code for calculating at least one of a delta, gamma, vega, theta, and an implied volatility of at least one of the first option, the second option, and the option spread;

wherein the delta indicates price sensitivity to changes in price of an underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of the underlying asset for the option;

wherein the vega indicates price sensitivity to changes in expected volatility;

wherein the theta indicates price sensitivity to changes in time until expiration of the option; and,

wherein the implied volatility indicates a particular volatility derived from market price.

40.   (new) The computer readable medium according to claim 39, wherein the delta, gamma, vega, theta, and implied volatility are calculated as at least one of an aggregate value and a subtotal by underlying asset.

41.   (new) The computer readable medium according to claim 38, wherein the program further comprises

(k) program code for sending at least one of the quantity, current valuation, name, delta, gamma, vega, theta, and implied volatility to a display device.

42.   (new) The computer readable medium according to claim 36, wherein the program further comprises program code for sending the optioncode, contract, strike, and callput of the first option to a display device.

43.   (new) The computer readable medium according to claim 42, wherein the program further comprises

(i) program code for displaying at least one of the quantity, name, current valuation, delta, gamma, vega, theta, and implied volatility on the display device.

44.   (new) The computer readable medium according to claim 42, wherein the program further comprises

program code for displaying the optioncode, contract, strike, and callput of the first option on the display device.

45.   (new) The computer readable medium according to claim 36, wherein the input device is at least one selected from the group consisting of a mouse, a keyboard, a light emitting diode device, a touch screen, and a tracking ball.

46.   (new) The computer readable medium according to claim 36, wherein the option spread is at least one selected from the group consisting of

a straddle, a ratio vertical put spread, a vertical put spread, a calendar put spread, a calendar vertical put spread, a ratio calendar put spread, a ratio vertical calendar put spread, a calendar fence/collar, a calendar ratio fence/collar, a calendar strangle, a fence/collar, a ratio fence/collar, a strangle, a conversion, a synthetic long futures, a synthetic short futures, a ratio vertical call spread, a vertical call spread, a calendar call spread, a calendar vertical call spread, a ratio calendar call spread, and a ratio vertical calendar put spread.

47.   (new) A computer readable medium comprising a program for determining a type of an option spread based upon options received from an input device, the program comprising

(a) program code for determining a previous option count;

(b) program code for receiving a sequence of options from an input device, each option comprising an optioncode, a contract, a strike, and a callput;

(c) program code for comparing the optioncode, contract, strike, and callput of each option with the optioncode, contract, strike, and callput of each other option in the sequence;

(e) program code for assigning a quantity for at least one option in the sequence of options based upon the comparison of each option with respect to each other option and the quantity of each option with respect to each other option; and

(f) program code for determining a type of option spread based upon the previous option count, comparison of each option with each other option and the assigned quantity of each option..

48. (new) The computer readable medium according to claim 47, wherein the program further comprises

(f) program code for calculating a current valuation of the option spread.

49. (new) The computer readable medium according to claim 48, wherein the program further comprises

(g) program code for naming the option spread.

50. (new) The computer readable medium according to claim 49, wherein the program further comprises

(h) program code for calculating at least one of a delta, gamma, vega, theta, and an implied volatility of at least one of said option in the sequence of options and in the option spread;

wherein the delta indicates price sensitivity to changes in price of the underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of an underlying asset for the option;

wherein the vega indicates price sensitivity to changes in expected volatility;

wherein the theta indicates price sensitivity to changes in time until expiration of the option; and,

wherein the implied volatility indicates a particular volatility derived from market price.

51. (new) The computer readable medium according to claim 50, wherein the program further comprises

(i) program code for sending at least one of the quantity, valuation, name, delta, gamma, vega, theta, and implied volatility to a display device.

52. (new) The computer readable medium according to claim 51, wherein the program further comprises

(j) program code for displaying at least one of the quantity, valuation, name, delta, gamma, vega, theta, and implied volatility on the display device.

53. (new) The computer readable medium according to claim 47, wherein the program further comprises wherein the input device is at least one selected from the group consisting of a mouse, keyboard, a light emitting diode device, a touch screen, and a tracking ball.

54. (new) The computer readable medium according to claim 53, wherein the option spread is at least one selected from the group consisting of

a straddle, a ratio vertical put spread, a vertical put spread, a calendar put spread, a calendar vertical put spread, a ratio calendar put spread, a ratio vertical calendar put spread, a calendar fence/collar, a calendar ratio fence/collar, a calendar strangle, a fence/collar, a ratio fence/collar, a strangle, a conversion, a synthetic long futures, a synthetic short futures, a ratio vertical call spread, a vertical call spread, a calendar call spread, a calendar vertical call spread, a ratio calendar call spread, a ratio vertical

calendar put spread, a 3-way call spread versus a put, a 3-way put spread versus a call, a call tree, a put tree, a butterfly, an iron butterfly, and a straddle spread.

55. (new) A computer readable medium comprising a program for determining a type of option spread based upon a sequence of user selections received from an input device, the program comprising

program code displaying a set of grids on a display device, each grid representing an optioncode and comprising a set of selectable options;

program code for receiving a sequence of user selections chosen from the set of selectable options, each user selection comprising an optioncode, a contract, a strike, and a callput;

program code for comparing the optioncode, contract, strike, and callput of each user selection with each other user selection in the sequence;

program code for assigning a quantity for each user selection in the sequence of user selections based upon the comparison of each user selection with each other user selection and the assigned quantity of each user selection; and

determining a type of option spread based upon a previous option count, the comparison of each user selection with each other user selection, and the assigned quantity of each user selection.

the comparison of each user selection with each other user selection and the assigned quantity of each user selection.

56.   (new)   The computer readable medium according to claim 55, wherein each grid comprises an x-axis and a y-axis, and wherein the x-axis comprises a set of contract and callput selections, and the y-axis comprises a set of strike selections, or vice versa.

57.   (new) The computer readable medium according to claim 55, wherein the comparing step occurs prior to at least one of a predefined time out and a receipt of a clear instruction.

58.   (new) A computer readable medium comprising a program for determining a type of option spread based upon a sequence of user selections received from an input device, the program comprising

        program code for displaying a set of grids on a display device, each grid representing a single optioncode and comprising a set of selectable boxes;

        program code for receiving a selection of a sequence of boxes, each selection in the sequence comprising optioncode, a contract, a strike, and a callput; and

        program code for determining, for the selected sequence, a type of option spread, an option spread name, an option spread valuation, and a quantity for the option spread.

59.   (new) The computer readable medium according to claim 58, further comprising program code for assigning a quantity, inclusive of at least one of a positive and negative sign, for each user selection in the sequence.

60.   (new) The computer readable medium according to claim 59, further comprising

program code for calculating at least one of a delta, gamma, vega, theta, and implied volatility of at least one of said selection in the sequence and the option spread;

wherein the delta indicates price sensitivity to changes in price of an underlying asset for the option;

wherein the gamma indicates delta sensitivity to changes in price of an underlying asset for the option;

wherein the vega indicates price sensitivity to changes in expected volatility;

wherein the theta indicates price sensitivity to changes in time until expiration of the option; and,

wherein the implied volatility indicates a particular volatility derived from market price.

61.   (new) The computer readable medium according to claim 58, wherein each grid comprises an x-axis and a y-axis, and wherein the x-axis comprises a set of contract and the callput selections, and the y-axis comprises a set of strike selections, or vice versa.

62.   (new) The computer readable medium according to claim 58, further comprising

program code for saving the provided option spread to a watch list for an update on the valuation of the option spread.

63.   (new) The computer readable medium according to claim 58, further comprising

program code for instructing a sign change of the provided option spread that reverses the sign of the provided quantity for at least one user selection in the sequence; and,

program code for receiving, based upon the sign change instruction, a type of option spread, a corresponding option spread name and option spread valuation

64.   (new) The computer readable medium according to claim 60, further comprising

program code for instructing a sign change of the provided option spread that reverses the sign of the -provided quantity for at least one user selection in the sequence; and,

program code for receiving a recalculated at least one of a delta, gamma, vega, theta, and implied volatility.

65.   (new) The computer readable medium according to claim 60, further comprising

program code for instructing a sign change of a second selection in the sequence that reverses the sign of the provided quantity for each user selection in the sequence;

program code for recalculating at least one of a delta, gamma, vega, theta, and implied implied volatility, and

program code for receiving the at least one of a delta, gamma, vega, theta, and implied volatility from the recalculating step.

66.   (new) The computer readable medium according to claim 58, further comprising

program code for adding a hedge with a user specified valuation; and receiving a recalculated option spread price in accordance with the added hedge.

67. (new) The computer readable medium according to claim 58, further comprising

program code for adding a hedge with a market specified valuation; and

program code for receiving a recalculated option spread price in accordance with the added hedge.

68. (new) A computer system for determining a type of option spread, the computer system comprising

a processor, and

a computer readable medium according to any one of claims 36, 47, 55, or 58,

wherein the processor is configured to execute program code stored on said computer readable medium.